



# 2023 MANUFACTURING INDUSTRIES

## NOVEMBER 2024

### Manufacturing

Manufacturing is a major component of Missouri's \$430.11 billion economy, representing 11.7 percent (\$50.54 billion) of the 2023 total Gross State Product (GSP) in current dollars. Nationally, manufacturing contributed 10.2 percent to total GDP. The compound annual growth rate (CAGR) over the past five years (2018-2023) in Missouri's manufacturing GSP averaged 7.1 percent; nationally, the CAGR was 4.7 percent.

Manufacturing accounts for 11.6 percent of the state's private sector employment, with 286,769 jobs across 8,303 establishments. The industry has added over 13,600 jobs since 2018, growing 5 percent over five years. This is nearly three times the 1.7 percent national growth rate over the same period.

Manufacturing wages continue to grow statewide and nationally. Missouri's 2023 manufacturing payroll totaled \$20.5 billion, with an average annual wage of \$71,519. This is higher than the state's overall private sector wage of \$62,559.

### MANUFACTURING

#### By the Numbers

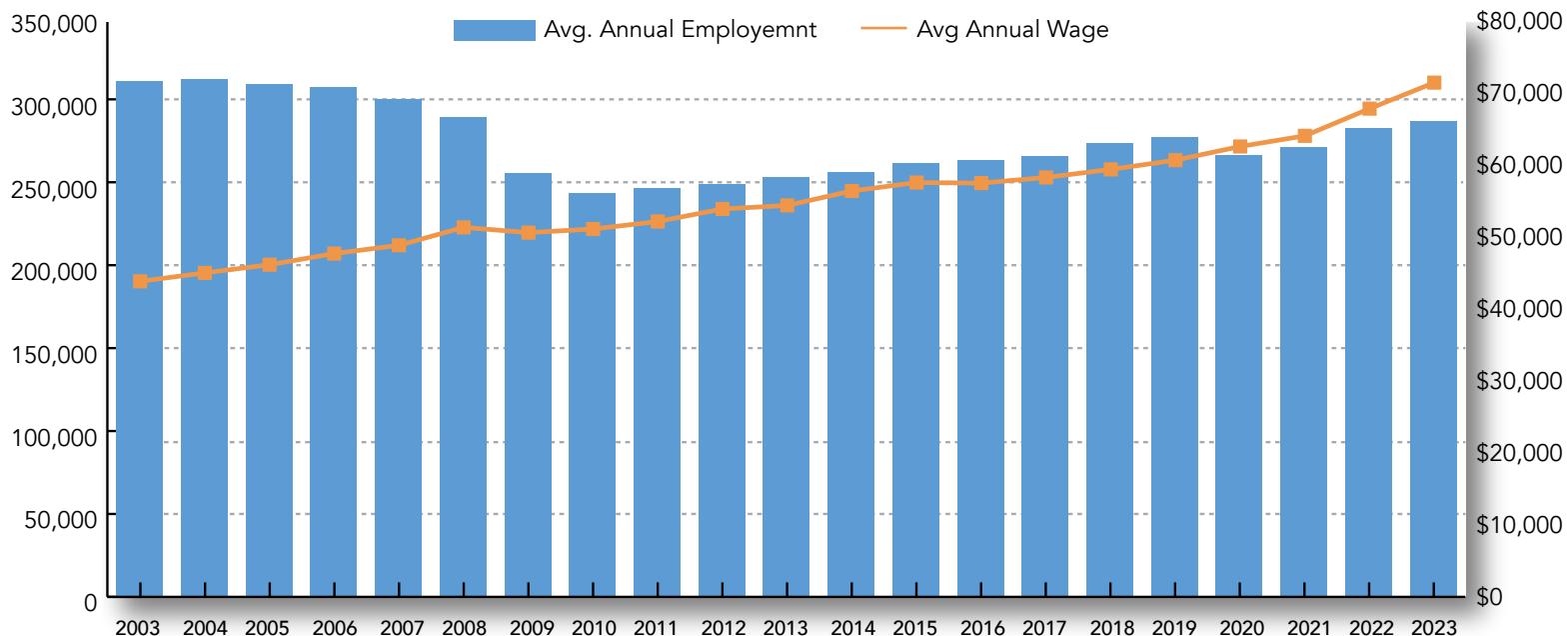
**286,769**  
Employees

**8,303**  
Establishments

**11.7 Percent**  
Total GSP Share

**\$71,519**  
Average Wage

### MISSOURI MANUFACTURING EMPLOYMENT AND WAGES

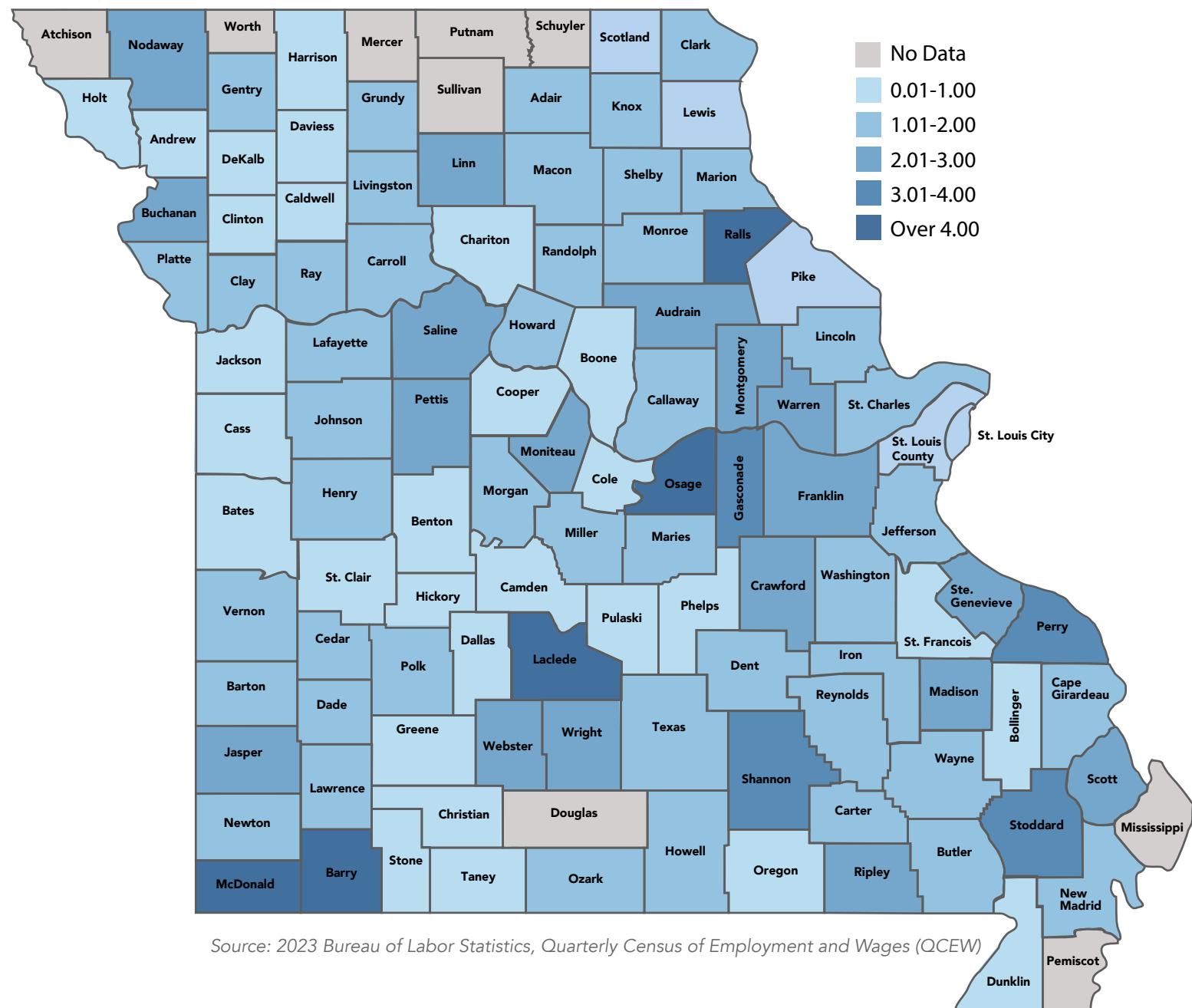


Source: 2023 Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), Private Industry Employment

## LOCATION QUOTIENT ANALYSIS

Location Quotient (LQ) compares the regional share of an industry to the national share to indicate the level of concentration of an industry in an area. An LQ over 1.0 indicates sectors of employment concentration higher than the national average. With a LQ of 1.19, Missouri has a greater share of its workers employed in the manufacturing sector than the national average. Seventy-two out of Missouri's 115 (63%) counties have an LQ over 1.0. Ralls county has the highest LQ at 6.1, followed by McDonald (LQ 5.07), Laclede (LQ 4.72) and Osage (LQ 4.72).

## 2023 MANUFACTURING LOCATION QUOTIENT BY COUNTY



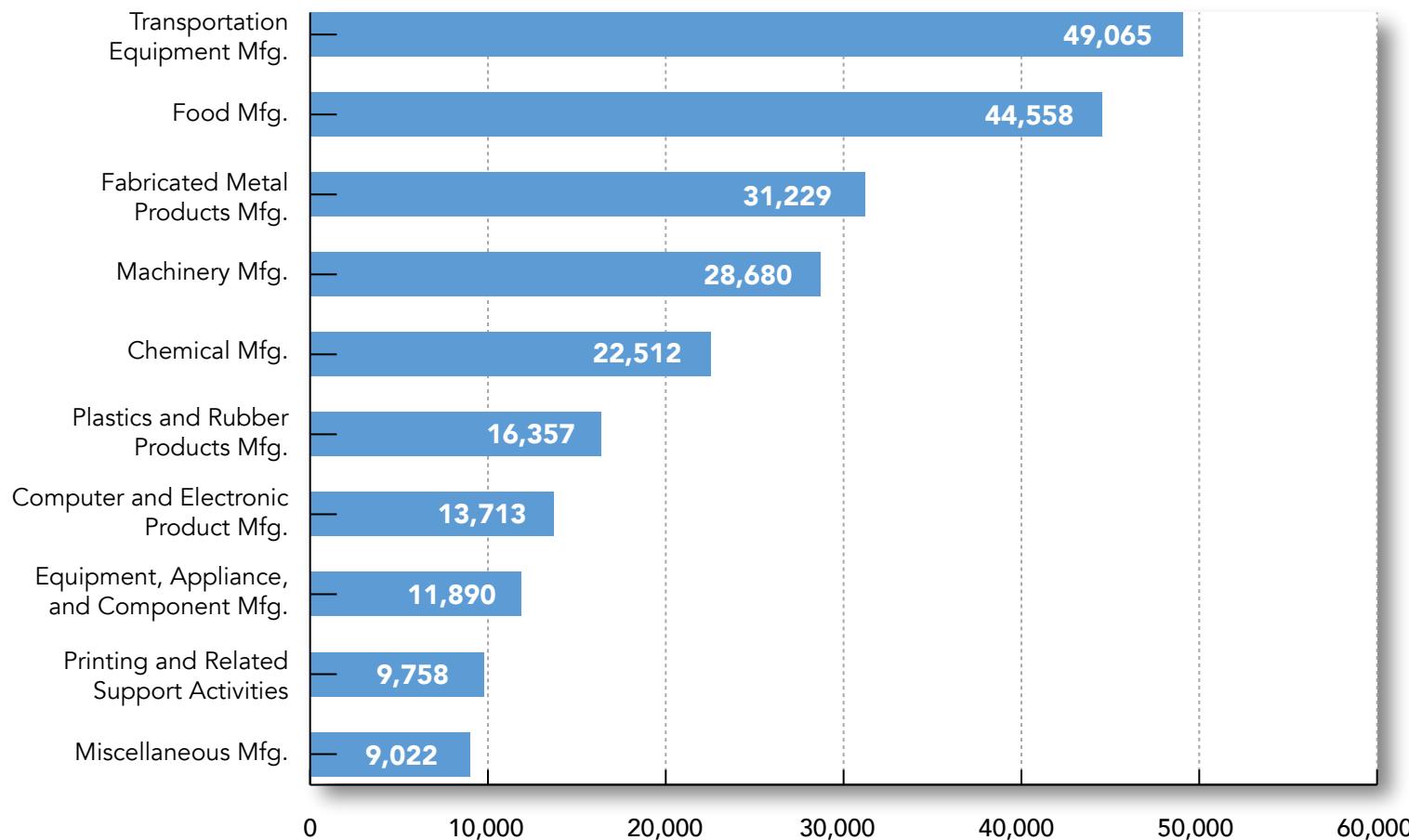
## ECONOMIC CONTRIBUTION

Manufacturing industries make a significant contribution to Missouri's economy, directly and indirectly. Manufacturing's contribution to Missouri's economy is measured in terms of jobs created, incomes earned, and value-added. Value-added, a measure of industry sales minus production costs, refers to an industry's share of Gross State Product (GSP).

In 2023, Missouri had an estimated 8,303 manufacturing establishments that directly employed 286,769 workers, providing approximately \$20.5 billion in payroll and an 11.7 percent share of Missouri's total GSP.

*Transportation Equipment Manufacturing* topped employment in the manufacturing sector with over 49,000 employees, followed by *Food Manufacturing* (44,558); *Fabricated Metal Product Manufacturing* (31,229); and *Machinery Manufacturing* (28,680).

### 2023 TOP EMPLOYING MANUFACTURING INDUSTRIES



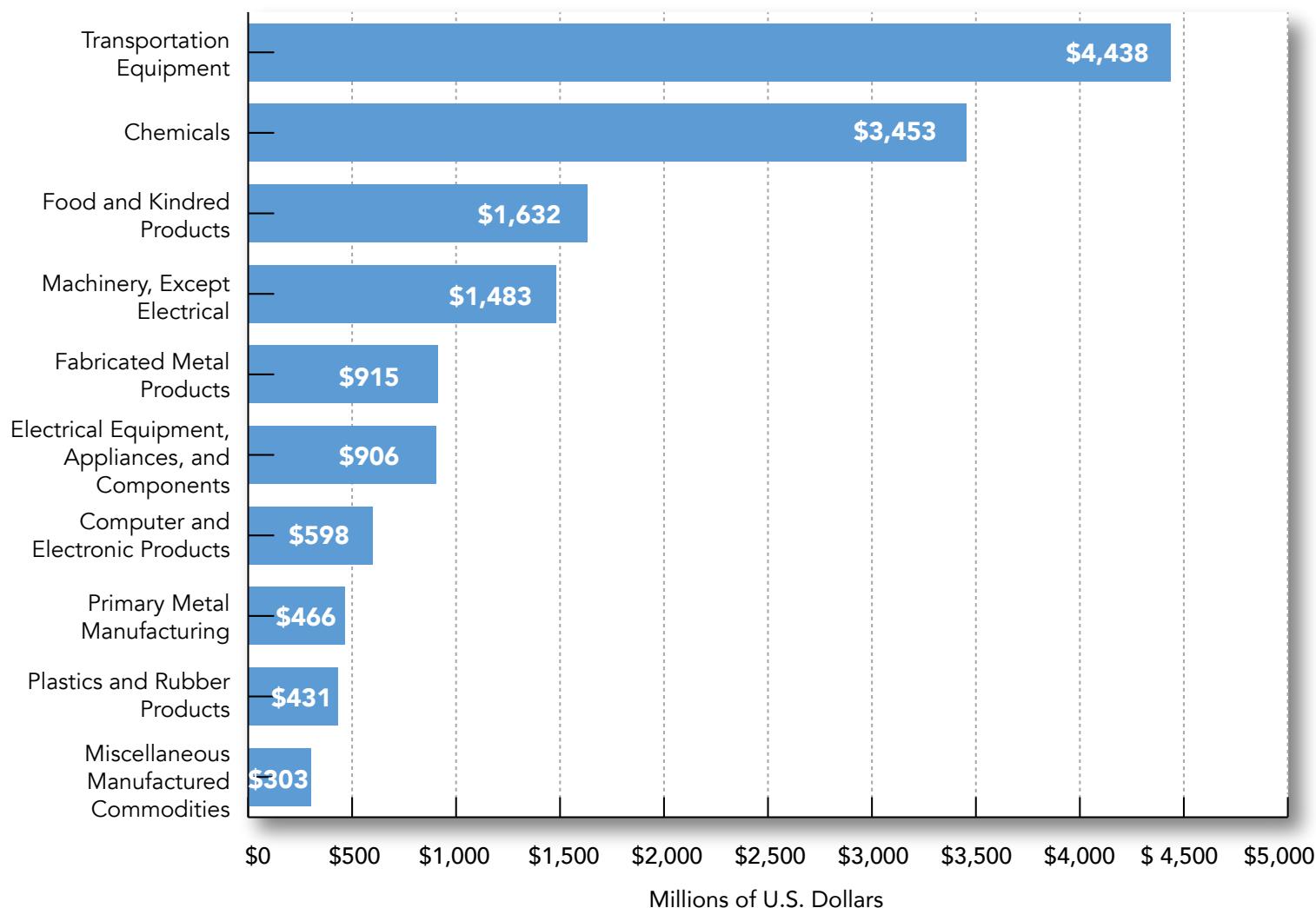
Source: 2023 Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), Private Industry Employment

## 2023 MANUFACTURING EXPORTS

Manufacturing exports from Missouri totaled nearly \$15.6 billion in 2023, up from \$14.7 billion in 2022 and \$13.9 billion in 2021. Missouri's highest industry exports were *Transportation Equipment* and *Chemical Manufacturing*. The largest gain was in *Transportation Equipment Manufacturing*, which added \$731 million in sales, a 19.7 percent increase from 2022.

### 2023 TOP TEN MANUFACTURING EXPORTS

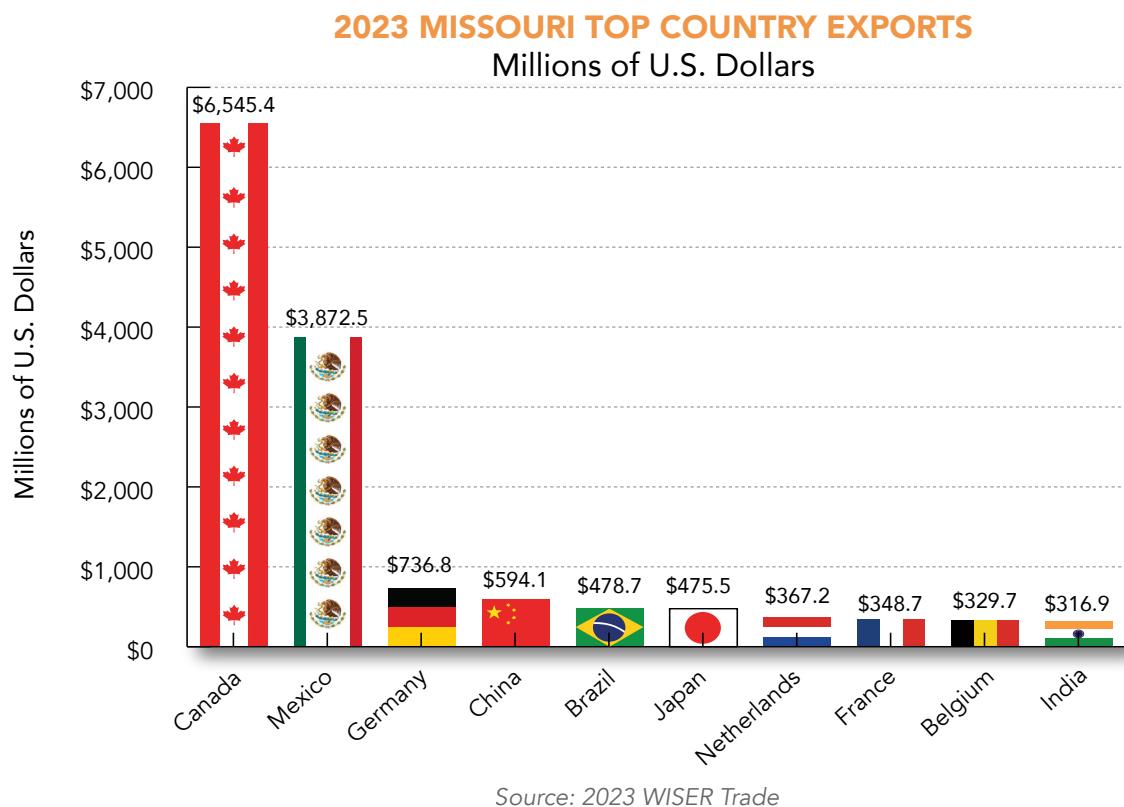
Millions of U.S. Dollars



Source: 2023 WISER Trade

## INTERNATIONAL MARKETS

Over \$17.8 billion worth of manufactured and other products were shipped to other countries through Missouri ports. The top export destinations were Canada and Mexico, followed by Germany, China, Brazil, Japan, Netherlands, France, Belgium, and India.



In 2023, Missouri's highest-value shipments to Canada were *Transportation Equipment*; to Mexico were *Agricultural Products*; and to Germany, China, Brazil, Netherlands, France, and Belgium were *Chemicals*. Missouri's top export to Japan was *Food and Kindred Products* while to India was *Minerals and Ores*.

TOP MISSOURI EXPORTS, 2023		
Country	Total Exports (All Industries)	Primary Export
Canada	\$6,545,402,156	Transportation Equipment
Mexico	\$3,872,535,353	Agricultural Products
Germany	\$736,773,462	Chemicals
China	\$594,050,108	Chemicals
Brazil	\$478,670,090	Chemicals
Japan	\$475,499,502	Food and Kindred Products
Netherlands	\$367,231,164	Chemicals
France	\$348,672,374	Chemicals
Belgium	\$329,713,375	Chemicals
India	\$316,866,907	Minerals and Ores

Source: 2023 WISER Trade

**Notes:**

Gross State Product data was obtained from the Bureau of Economic Analysis.

Employment numbers and location quotients were obtained from the Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW). Industries are classified according to the North American Industry Classification System (NAICS).

2023 Missouri manufacturing export data were obtained from the World Institute for Strategic Economic Research (WISER) Trade database.

NAICS	Industry Description
311	Food manufacturing
312	Beverage and tobacco product manufacturing
313	Textile mills
314	Textile product mills
315	Apparel manufacturing
316	Leather and allied product manufacturing
321	Wood product manufacturing
322	Paper manufacturing
323	Printing and related support activities
324	Petroleum and coal products manufacturing
325	Chemical manufacturing
326	Plastics and rubber products manufacturing
327	Nonmetallic mineral product manufacturing
331	Primary metal manufacturing
332	Fabricated metal product manufacturing
333	Machinery manufacturing
334	Computer and electronic product manufacturing
335	Electrical equipment and appliance mfg.
336	Transportation equipment manufacturing
337	Furniture and related product manufacturing
339	Miscellaneous manufacturing

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